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(21) International Application Number: PCT/US96/18656 ✓ (22) International Filing Date: 22 November 1996 (22.11.96) ✓ (30) Priority Data: 08/567,754 ✓ 5 December 1995 (05.12.95) ✓ US ✓ (71) Applicant: MINERALS TECHNOLOGIES INC. [US/US]; 405 Lexington Avenue, New York, NY 10174-1901 (US). ✓ (72) Inventors: DEUTSCH, Donald, Richard; 4287 Hawthorne Road, Walnutport, PA 18088 (US). WISE, Kenneth, James; 4942 Glenview Street, Schnecksville, PA 18078 (US). ✓ (74) Agents: RICHARDS, John; Ladas & Parry, 26 West 61st Street, New York, NY 10023 (US) et al.		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, <u>SG</u> , SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: PROCESS FOR THE PREPARATION OF DISCRETE PARTICLES OF CALCIUM CARBONATE ✓ (57) Abstract A process for the precipitation of discrete prismatic calcium carbonate particles by carbonation of aqueous calcium hydroxide containing a saccharide or polysaccharide or a saccharide or polysaccharide and a metal ion at temperatures of from about 8 °C to about 64 °C is disclosed. The resulting product has specific surface areas between about 10 m²/g and about 120 m²/g and is useful in paints, plastics, paper coating, paper filling, and pharmaceutical applications.		